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Cheryl A. Karres

Printed Name

Signature

Cheryl A. Karres

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: ARNOLD, et al.

For: SULFONAMIDE DERIVATIVES

Docket No.: X-12301C

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure, Applicants submit an "Information Disclosure Citation In An Application" on a Form PTO-1449 (modified) [and provide(s) a copy of each of the listed documents] for consideration by the Examiner.

As permitted by 37 C.F.R. §1.98(d), Applicants refer to application Serial No. 10/318,483, filed December 12, 2002 for copies of the listed documents]

Since this Statement is being filed in accordance with 37 C.F.R. 1.97(b), Applicants submit that no additional fee is required.

Applicants request consideration of this information.

Respectfully submitted,



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Feb. 6, 2004

FORM PTO 1449 (modified)  INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Atty. Docket No. X-12301C	Serial No
		Applicants Arnold, et al.	
		Filing Date	Group

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Pages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US 6,174,922	1/16/2001	Arnold, et al.	
	AB	US 4,876,346 A	10/24/1989	Musser, et al.	
	AC	US			
	AD	US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	BA	WO 00/66546	04/30/1999			
	BB	WO 98/33496	08/06/1998			
	BC	WO 00/06083	2/10/2000			
	BD	WO 00/06159	2/10/2000			
	BE	WO 00/06148	2/10/2000			
	BF	WO 00/06537	2/10/2000			
	BG	WO 00/06158	2/10/2000			
	BH	EP 0325245	07/26/1989	Tanabee Seiyaku Co.		
	BI	EP 0345572	12/13/1989	BASF Aktiengesellschat		
	BJ	DE 4114330-A1	11/05/1992	BASF AG		
	BK					
	BL					
	BM					
	BN					
	BO					

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		Filing Date	Group

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or country where published.		T <sup>6</sup>
	CA	NEMETH, GABOR et al.; Synthesis of $\alpha$ -(trifluoromethyl)phenylacetonitrile. Anamalous reactions of $\alpha$ -tosyloxy- $\alpha$ -(trifluoromethyl) phenylacetonitrile with sodium borohydride, Journal of Fluorine Chemistry, 1996, 87-89, 78		
	CB	TARAKHOVSKII, ML, et al., Database accession no. 1972:42070, XP002237499, Spermatostatic activity of some amino alcohols and compounds containing potential hydroxy- or mercapto groups, 1-2		
	CC	LOZINSKII, MO., et al., Database accession no. 1969:67831, XP002237500, Reactions of p-nitro styrene oxide with nucleophilic agents and phosphorus trichloride, 1		
	CD	TAKEMURA, SHOJI, et al., Database accession no. 1968:486540, XP002237501, Addition of N, N-dibromobenzenesulfonamide to styrene, 1-2		
	CE	BUCHOLZ, B., et al., Reactions with Aziridines, XXXII[1]; Mechanistic Aspects in Nucleophilic Opening of Three-Membered Rings. Alcohyses of Activated Aziridines.		
	CF	MARKOV, VI, et al., Database accession no. 1988:37717, XP002237502, Addition reactions of 1-arenesulfonyl-2-substituted aziridines, 1-2		
	CG	WHITE, DAVID R., Generation of Darzens Intermediates by Conjugate Addition, J.C.S. Chem. Comm., 1975, 95-96		
	CH	LIM, BYEONG-WOO, et al., The reaction of (N-[P-Toulenesulfonyl] imino)-phenyliodinane with Enol Silanes, Synthetic Communications, 1996, 3407-3412, Vol. 26, No. 18		
	CI	STERINA, EZ, et al., Database accession no. 1974:403877, XP002237503, Haloacyl derivatives of polycyclic hydrocarbons. 4. Synthesis and reactions of chloroacylbiphenyl and chloroacyldiphenylmethane, 1		
	CJ	KRETOV, AE, et al., Database accession no. 1963:475007, XP002237504, Aromatic sulfonamido ketones, 1-6		
	CK	DELERIS, G., et al., Direct Regiospecific Allylic Amination via Silicon Induced Pericyclic Reactions. A novel synthesis of gamma vinyl gaba, Tetrahedron, 1988, 4243-4258, Vol. 44, No. 13		
	CL	NADIR, UPENDER K., et al., Methylene Transfer from Dimethyloxosulphonium Methylide to N-Aryl-sulphonylaziridines: Stereospecific Synthesis of N-Arylsulphonylazetidines, J. Chem.Soc. Perkin Trans. 1, 1991, 2015-2019		
	CM	KATAOKA, TADASHI, et al., Versatile Cyclisation Reactions Using Selenoboranes, J. Chem. Soc. Perkin Trans. 1, 1993, 121-129		
	CN	XU, YONG, et al., Reactions of fluoroalkanesulfonyl azides with trimethylsilyl enol ethers, Journal of Fluorine Chemistry, 1999, 79-85, Vol. 96		
	CO	KIM, SUN YOUNG, et al.; 1 <i>H</i> -Benzotriazol-1-yl Methanesulfonate: A Regioselective <i>N</i> -Mesylating Reagent, Tetrahedron Letters, 1999, 117-120-, Vol. 40		

FORM PTO 1449 (modified)  INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Atty. Docket No. X-12301C	Serial No.
	Applicants Arnold, et al.	
	Filing Date	Group

	CP	ANDO, TAKEYA, et al.; Iodine-Catalyzed Aziridination of Alkenes using Chloramine-T as a Nitrogen Source, Tetrahedron, 1998, 13485-13494, Vol. 54	
Examiner Signature		Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached. Burden Hours Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.